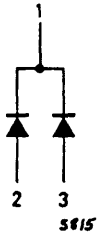


# SOT23 SILICON PLANAR HIGH SPEED SWITCHING DIODES

HD2A  
HD3A  
HD4A

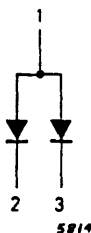
PIN CONFIGURATIONS:



**HD2A**  
(Common Cathode)



**HD3A**  
(Single Diode)



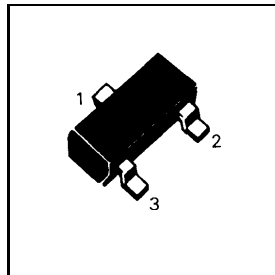
**HD4A**  
(Common Anode)

PARTMARKING DETAILS:

HD2A - 5D

HD3A - 4D

HD4A - 7D



## ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	VALUE	UNIT
Continuous Reverse Voltage	$V_R$	75	V
Forward Current	$I_F$	100	mA
Power Dissipation at $T_{amb} = 25^\circ\text{C}$	$P_{TOT}$	330	mW
Operating and Storage Temperature Range	$t_j:tstg$	-55 to +150	$^\circ\text{C}$

## ELECTRICAL CHARACTERISTICS (at $T_j = 25^\circ\text{C}$ unless otherwise stated)

PARAMETER	SYMBOL	MIN.	MAX.	UNIT	CONDITIONS
Breakdown Voltage	$V_{BR}$	85		V	$I_i = 100\mu\text{A}$
Forward Voltage	$V_F$	0.5	0.715 1.0	V	$I_f = 1\text{ mA}$ $I_f = 10\text{ mA}$
Reverse Current	$I_R$		1.0 60	$\mu\text{A}$	$V_R = 75\text{ V}$ $V_R = 75\text{ V}, T_j = 125^\circ\text{C}$
Total Capacitance	$C_T$		4	pF	$V_R = 0, f = 1\text{ MHz}$
Reverse Recovery Time	$t_{rr}$	Typ. 6		ns	$I_f = 10\text{ mA}, I_r = 10\text{ mA}$ $I_r = 1\text{ mA}$



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